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Observations with black-bulb thermometer,

h m	°	h m	°
1 0	125·6	2 25	96·0
1 15	117·5	2 30	97·6
1 20	113·8	2 35	98·4
1 25	112·0	2 40	100·0
1 30	110·5	2 45	102·0
1 35	107·0	2 50	104·0
1 40	104·8	2 55	106·7
1 45	103·6	3 0	109·7
1 50	100·3	3 5	112·6
1 55	98·8	3 10	115·5
2 0	97·7	3 15	117·3
2 5	96·6	3 20	119·0
2 10	95·3	3 25	121·1
2 15	95·0	3 30	121·2
2 20	94·8		

The sky was perfectly clear throughout.

Note on one of the Comites of β Geminorum.

By the Rev. T. W. Webb.

On reference to the Bedford Catalogue, it will be found that the third attendant of *β Geminorum* was described by Admiral Smyth, in 1832, as of equal brightness with the second, C of his nomenclature, which he rates of 11½ magnitude. It now appears, with my 5½-inch object-glass, about as much inferior to B, 12½ of the Admiral's scale, as B is below C; and as Sir James South's Equatoreal of 5 inches had shown but two companions some years before the date of the Bedford Catalogue, there is, perhaps, ground to suspect a variation in its light.

Hardwick Parsonage, April 22, 1861.

Results of the Observations of Small Planets made with the Transit-circle; Occultations of Stars by the Moon; and Eclipses, Occultations, and Transits of Jupiter's Satellites; observed at the Royal Observatory, Greenwich, during the month of March 1861.

(*Communicated by the Astronomer Royal.*)

Massilia ⑳.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 4	7 3 5·9	5 53 10·15	67 26 37·61

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Hebe ⑥.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 4	12 24 5·5	11 15 2·54	74 24 53·51
6	12 14 28·6	11 13 17·20	74 5 37·00
9	12 0 3·6	11 10 39·41	73 37 58·80
11	11 50 27·9	11 8 55·24	73 20 12·72
13	11 40 53·3	11 7 12·26	73 3 5·89
16	11 26 34·5	11 4 40·69	72 38 49·60
20	11 7 37·7	11 1 27·06	72 9 10·61
21	11 2 55·8	11 0 40·92	72 2 20·34
22	10 58 14·1	10 59 55·00	71 55 39·41
28	10 30 25·2	10 55 40·86	71 20 8·45

Parthenope ⑪.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 4	12 47 59·4	11 39 0·35	82 8 19·67
6	12 38 24·6	11 37 17·06	81 53 59·27
8	12 28 48·4	11 35 32·45	81 39 37·24
9	12 23 59·0	11 34 38·78	81 32 23·87
11	12 15 21·4	11 32 52·91	81 18 16·04
13	12 4 43·4	11 31 6·23	81 4 17·68
16	11 50 16·0	11 28 26·07	80 43 55·15
20	11 31 2·7	11 24 55·90	80 18 7·69
21	11 26 15·9	11 24 4·79	80 11 58·35

Melpomene ⑱.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 4	9 40 10·4	8 30 40·50	73 47 24·79
6	9 31 32·4	8 29 54·18	73 35 16·72
8	9 23 1·6	8 29 15·08	73 23 46·91
11	9 10 28·5	8 28 29·56	73 7 40·80
13	9 2 15·7	8 28 8·51	72 57 42·31
21	8 30 34·9	8 27 54·96	72 23 50·57
22	8 26 45·0	8 28 1·02	72 20 21·47
23	8 22 57·0	8 28 8·89	72 16 55·16
28	8 4 20·4	8 29 11·99	72 2 1·79

Fides (87).

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 8	8 48 23·5	7 54 31·35	65 28 40·92
16	8 18 23·0	7 55 58·33	65 49 21·15

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Ausonia (63).

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 15	11 5 55·2	10 40 1·43	82 55 2·74
16	11 1 2·9	10 39 4·94	82 52 2·07

Angelina (64).

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1861, March 15	11 51 58·3	11 49 51·45	90 43 18·14
22	11 47 11·6	11 49 0·53	90 38 11·56

The observations in N.P.D. of *Ausonia* and *Angelina* have been corrected for Refraction only; those of all the others for both Refraction and Parallax.

Occultations of Stars by the Moon.

Day of Obs.	Phenomenon.	Moon's Limb.	Mean Solar Time.	Observer.
			h m s	
1861, Mar. 19	5 Geminorum disapp.	Dark	8 53 55·4	D.
21	B.A.C. 2683 disapp.	Dark	9 43 39·3	C.
21	B.A.C. 2683 reapp. (*a*)	Bright	10 20 7·4	C.

(*a*), The star was slightly separated from the limb when first seen.

The initials D. and C. are those of Mr. Dunkin and Mr. Criswick.

Eclipses, Occultations, and Transits of Jupiter's Satellites.

Day of Observation.	Satellite.	Phenomenon.	Mean Solar Time.	Observer.
1861.			h m s	
Mar. 4	III	Ecl. reapp.	7 23 17·0	A. D.
4	I	Ingress, Bisection	10 35 59·6	J. C.
4	I	,, last cont.	10 38 29·2	J C.
4	I	Egress, last cont.	12 57 32·3	A. D.
6	I	,, bisection	7 20 26·8	K.
6	I	,, last cont.	7 22 26·5	K.
11	III	Ecl. reapp.	11 21 15·1	E.
11	I	Ingress, bisection	12 20 25·4	E.
11	IV	Occ. disapp. bis.	13 31 43·8	E.
16	II	Ecl. reapp.	7 57 59·9	E.
21	I	Ecl. reapp.	8 52 17·7	C.
21	II	Ingress, bis. (*a*)	10 55 49·4	C.
28	IV	Occ. reapp. bis.	9 38 1·6	E.

(*a*) The planet extremely tremulous and blurred; the observation very unsatisfactory.

The initials E., C., J. C., K. and A. D. are those of Messrs. Ellis, Criswick, Carpenter, Kerschner, and Davis.

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Note.—In the *Monthly Notices* for June, 1860, vol. xx., No. 8, p. 328, the places of two objects are given for *Thetis*, with the remark that their proximity made it doubtful which was the planet, though the second was thought to have the greater probability, on account of its magnitude. That this second, marked (*b*) R.A. 14^h 3^m 52^s·32, N.P.D. 92° 40′ 11″·98, really was *Thetis*, was proved by an observation with the transit-circle on 1861, April 11, when an object was seen answering to (*a*), but nothing in the place of (*b*).

Occultations of Stars by the Moon, observed at Forest Lodge, Maresfield, Sussex. By Capt. W. Noble.

Sunday, February 17, 1861.

Occultation of 23 *Tauri* by the Moon.

The star disappeared instantaneously at the Moon's dark limb at 7^h 51^m 7^s·7 L.S.T. = 9^h 52^m 59^s·75 L.M.T.

Owing to the dense haze, the reappearance could not be observed.

Power 135 (with positive eye-piece) adjusted on the star.

Thursday, March 21, 1861.

Occultation of B.A.C. 2683 by the Moon.

	h m s		h m s	
The star disappeared instantaneously at the Moon's dark limb at	9 43 11·4	L.S.T.=	9 45 39·05	L.M.T.
and reappeared at..........	10 17 46·6	L.S.T.=	10 20 8·58	L.M.T.

It was very faint at its reappearance, owing to the overpowering brightness of the Moon, and the time of its apparition may therefore be +0^s·5 in error.

Power 115 adjusted on the star.

My 4·2 inches Equatoreal was employed in each observation.
